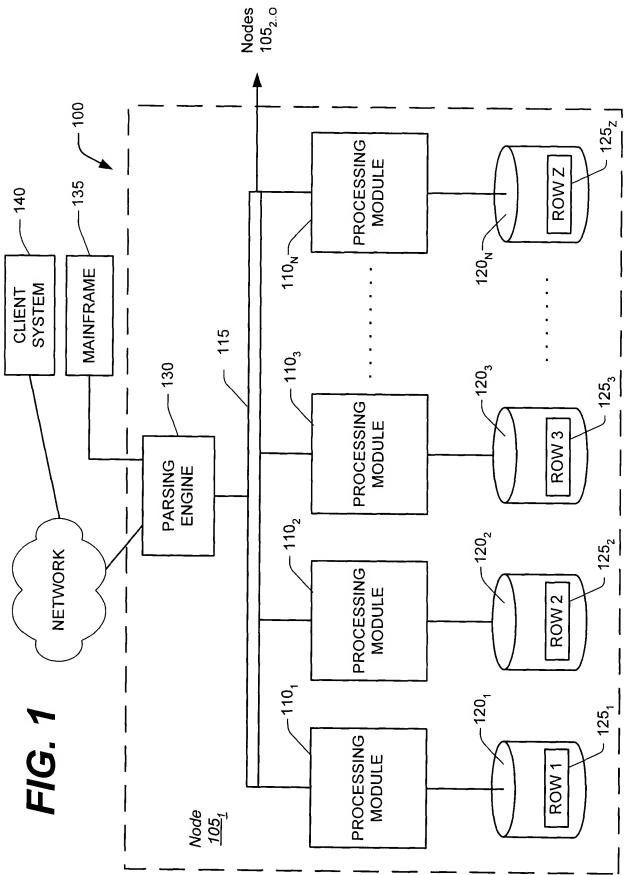
Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092 Inventor: Ramesh, et al. For: Clustering Strings Contact: John D. Cowart/858-485-4903 Sheet 1 of 6



Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092 Inventor: Ramesh, et al. For: Clustering Strings

Contact: John D. Cowart/858-485-4903 Sheet 2 of 6

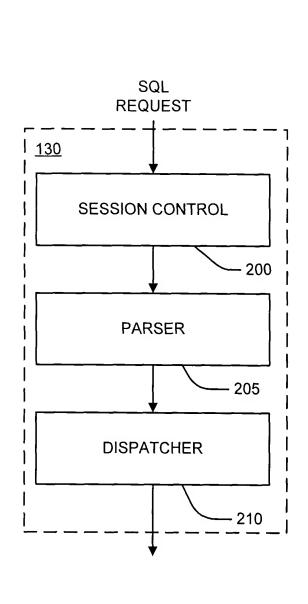


FIG. 2

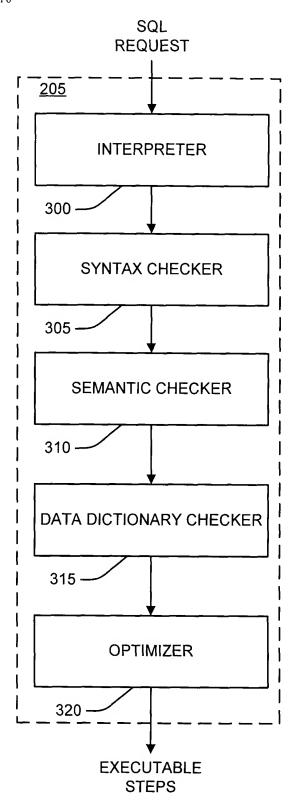


FIG. 3

Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092 Inventor: Ramesh, et al. For: Clustering Strings

Contact: John D. Cowart/858-485-4903 Sheet 3 of 6

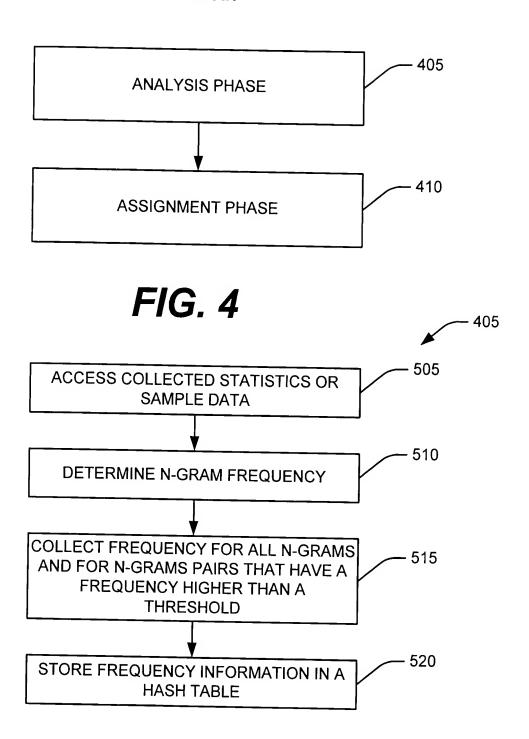


FIG. 5

Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092

Inventor: Ramesh, et al. For: Clustering Strings

Contact: John D. Cowart/858-485-4903

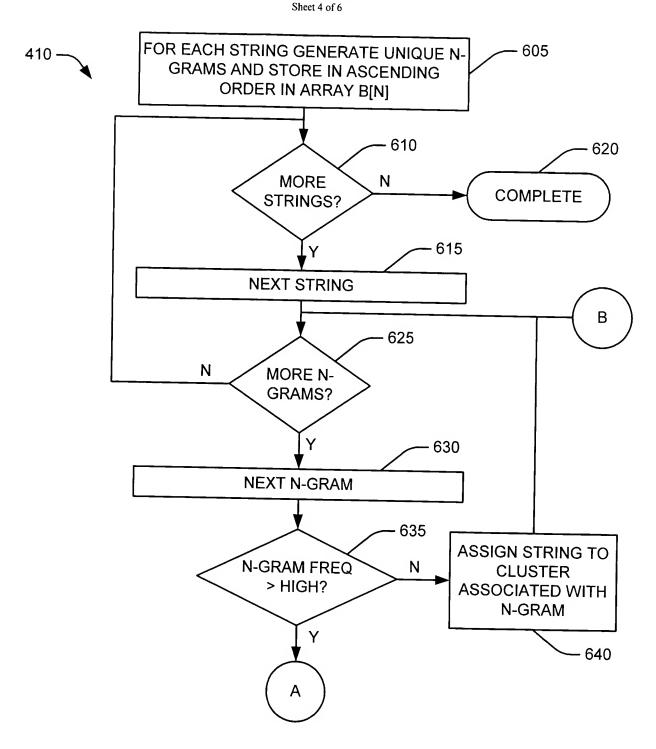


FIG. 6A

For: Clustering Strings Contact: John D. Cowart/858-485-4903 Sheet 5 of 6 Α 645 FOR EVERY OTHER N-GRAM IN THE **STRING** - 650 N **N-GRAM** FREQ > HIGH? - 670 655 **ASSIGN STRING TO** N-GRAM PAIR Ν **CLUSTER** IN FREQ MAP? **ASSOCIATED WITH** N-GRAM PAIR 660 FOR EVERY OTHER N-GRAM IN THE **STRING** 665 ASSIGN STRING TO CLUSTER ASSOCIATED WITH N-GRAM TRIPLE В

Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092

Inventor: Ramesh, et al.

FIG. 6B

Express Mail #EV339222559US Filed: 09/12/03; File No. NCR 11092 Inventor: Ramesh, et al. For: Clustering Strings Contact: John D. Cowart/858-485-4903

Perry Pe er rr ry Kerr Ke er rr aa ab ke er pe

Sheet 6 of 6

FIG. 7

rr

ry

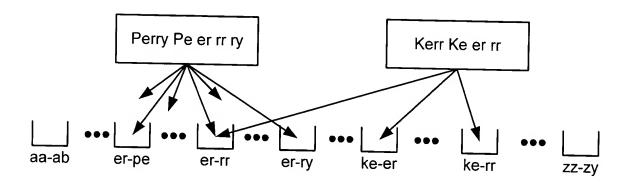


FIG. 8

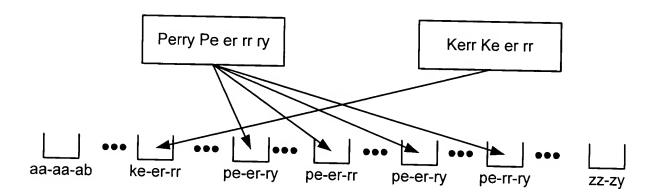


FIG. 9